

## ABSTRACT

A grinding system with a coolant subsystem including a grinding tool having a grinding surface adapted to grind a part, a nozzle adapted to supply a coolant material, and an arm coupled to the nozzle and to the grinding tool and adapted to allow placement of the nozzle in multiple positions. Each of the positions of the nozzle is preferably substantially tangent to the grinding surface of the grinding tool, which optimizes the transfer of excess heat from the grinding tool and the part.